

**Subject : Data Analysis for Management**

Day : Friday  
Date : 10/06/2016



Time : 02.00 P.M. TO 05.00 P.M.  
Max Marks : 70 Total Pages : 1

**N.B:**

- 1) Attempt **ANY FOUR** questions from Section-I and **ANY TWO** questions from Section-II.
- 2) Answers to both sections should be written in the **SAME** answer book.
- 3) Figures to the **RIGHT** indicate full marks.

**SECTION-I**

- Q.1** Discuss the concept of Observational Study in detail. **(10)**
- Q.2** How to perform the following activities using Microsoft Excel? **(10)**  
i) Sorting of Data ii) Filtering of Data
- Q.3** Which types of graphs/charts are appropriate in following scenarios? Provide an example each to support your answer. **(10)**  
i) to compare multiple values  
ii) to display the contribution of each value to a total
- Q.4** Explain the Normal Distribution in detail. **(10)**
- Q.5** What are the different applications of data management? Discuss them in brief along with appropriate examples. **(10)**
- Q.6** Write short notes on **ANY TWO** of the following: **(10)**  
a) Skewness  
b) Histogram  
c) DBMS

**SECTION-II**

- Q.7** One petrochemical company has introduced a new petrol-additive for two wheelers. According to company's claim, it improves the fuel-efficiency by 2%. You are required to design a detailed strategy, considering following points, to verify the claim. **(15)**  
• Data Collection  
• Data Analysis  
• Conclusion
- Q.8** Discuss the following terms in brief: **(15)**  
i) Arithmetic Mean ii) Median iii) Mode  
Also calculate these values for following data set:  
48, 27, 35, 77, 58, 47, 60, 0, 73, 81, 24, 27, 12, 50, 80, 82, 15, 94, 27, 28
- Q.9** What is Correlation and Regression Analysis? Explain in detail along with appropriate examples. **(15)**

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